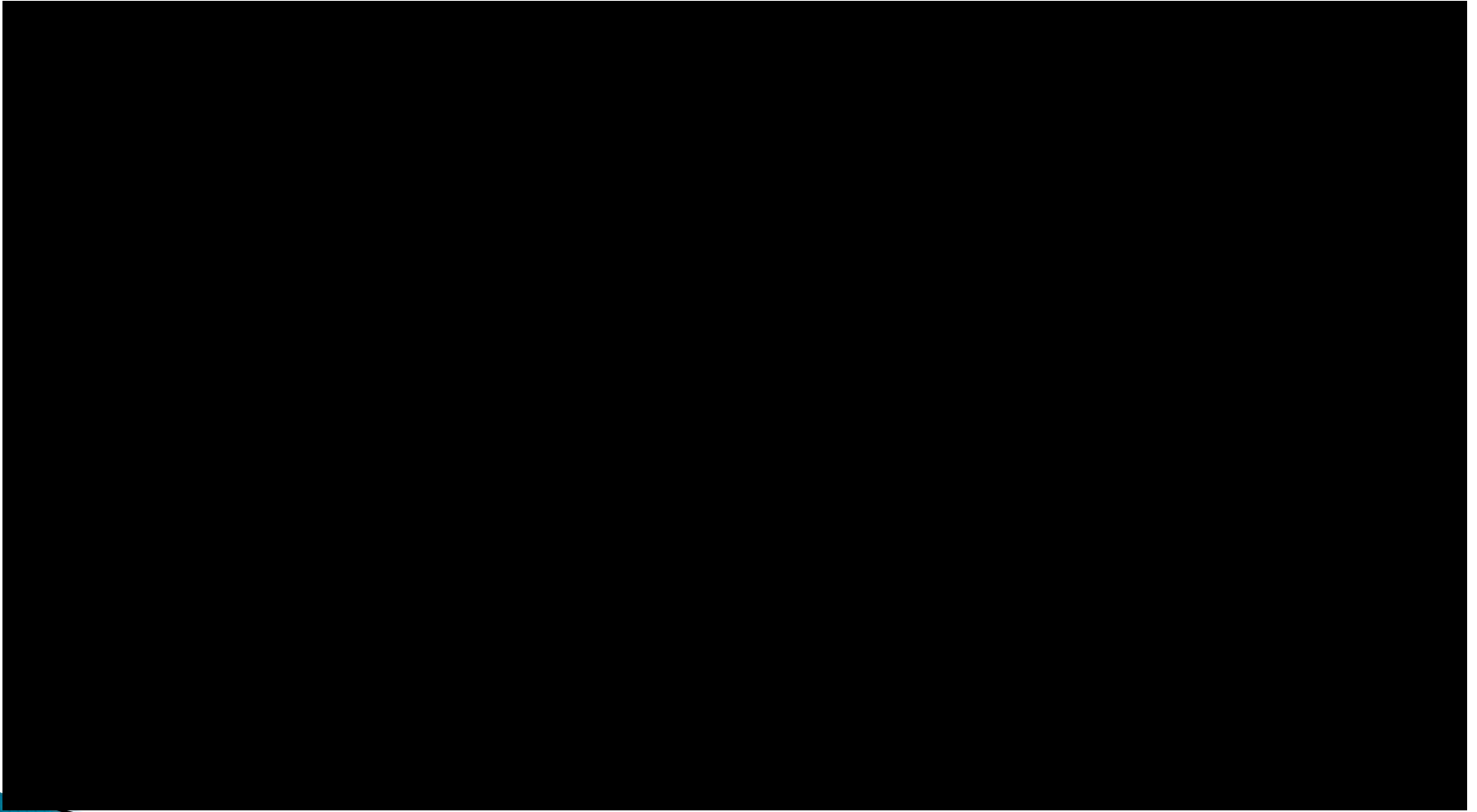


The Great East Japan Earthquake

How we managed at school



JAPAN After Tsunami



The Great East Japan Earthquake

Summary

(as of July 10, 2011)

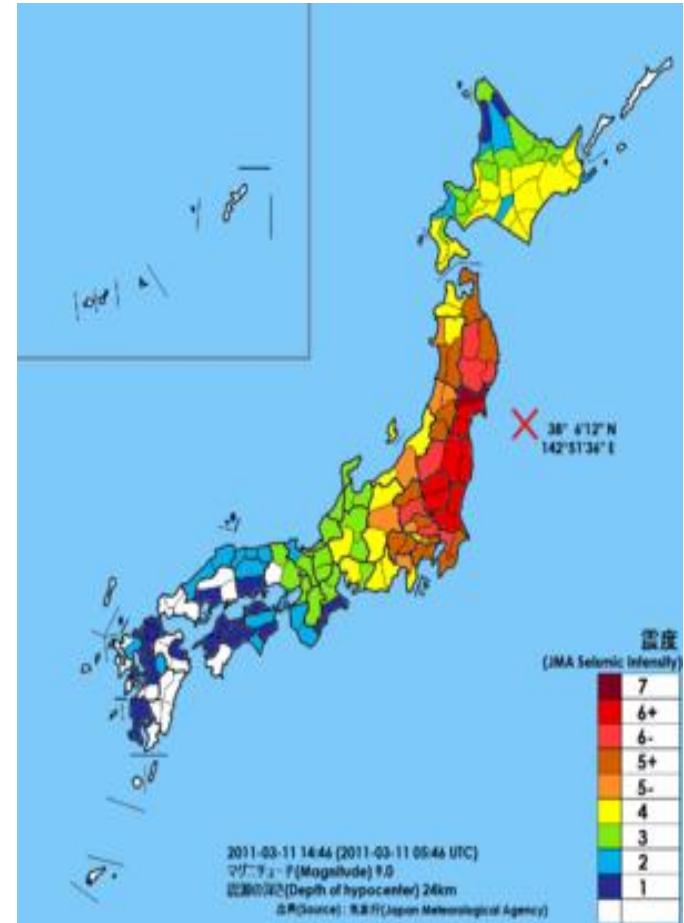
Date: March 11, 2011

Time: 14:46pm

Magnitude: 9.0 (interim value) – largest record in Japan

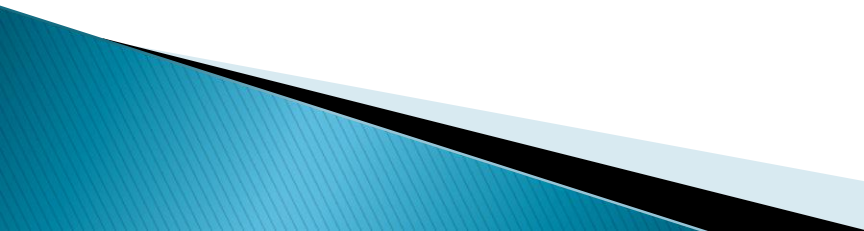
Tsunami: 9.3m or higher at Soma (Fukushima Pref)

Aftershocks: 517 (magnitudes 5 or greater)



The Great East Japan Earthquake

Casualties (as of July 20, 2011)

- 15,578 deaths
 - 5,690 injured
 - 5,070 missing
 - 182 children lost both their parents
 - 111,532 evacuating
 - 45,700 buildings/houses were destroyed
 - 144,300 buildings/houses were damaged
 - More than 300 hospitals were damaged
 - 230,000 automobiles/tracks were destroyed
- 

At Yokohama Int'l School

14:46 First earthquake came. All students were asked to stay in their classroom, get under the tables.

15:00 Teachers were asked to check their students, report to school office.

15:15 All Kindergarten & Elementary students were gathered at Library. Middle/High school students stayed their classroom with teachers.

15:30 Office started to contact parents to pick their child from school.

16:00 Students had started to be released with parents.

22:00 About 40 students were sent to our staff's house for home stay.

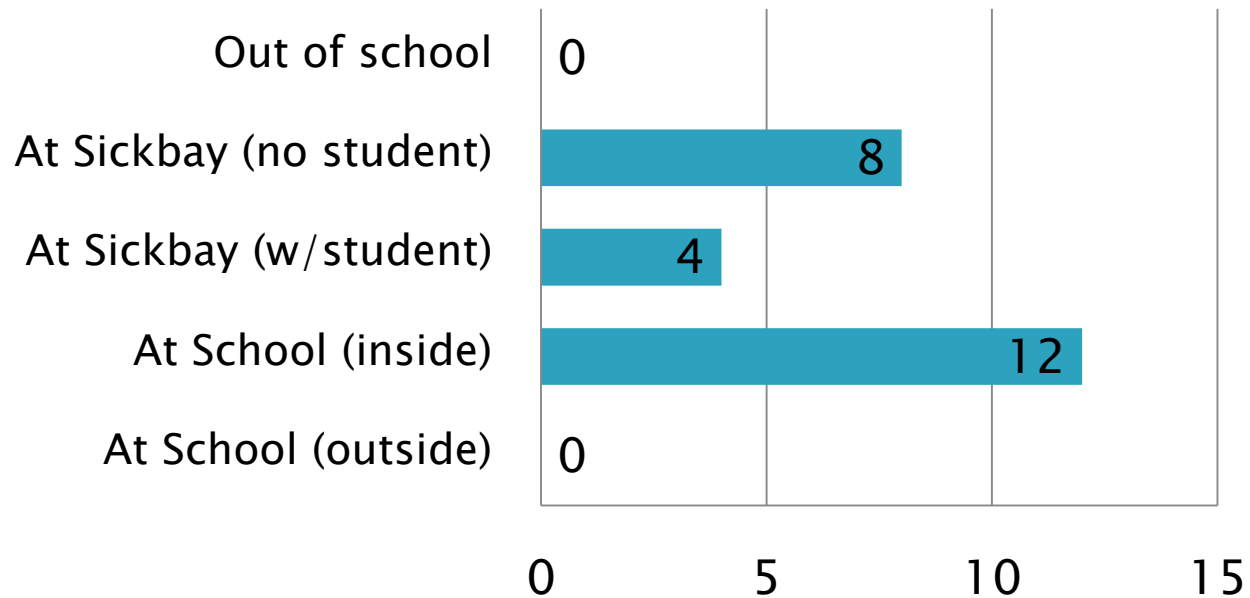
2:00 Last parent arrived to school.

3.11 Earthquake Survey

Number of questions:	10
Questions sent in May:	33 international schools
Answers back by July:	22 international schools

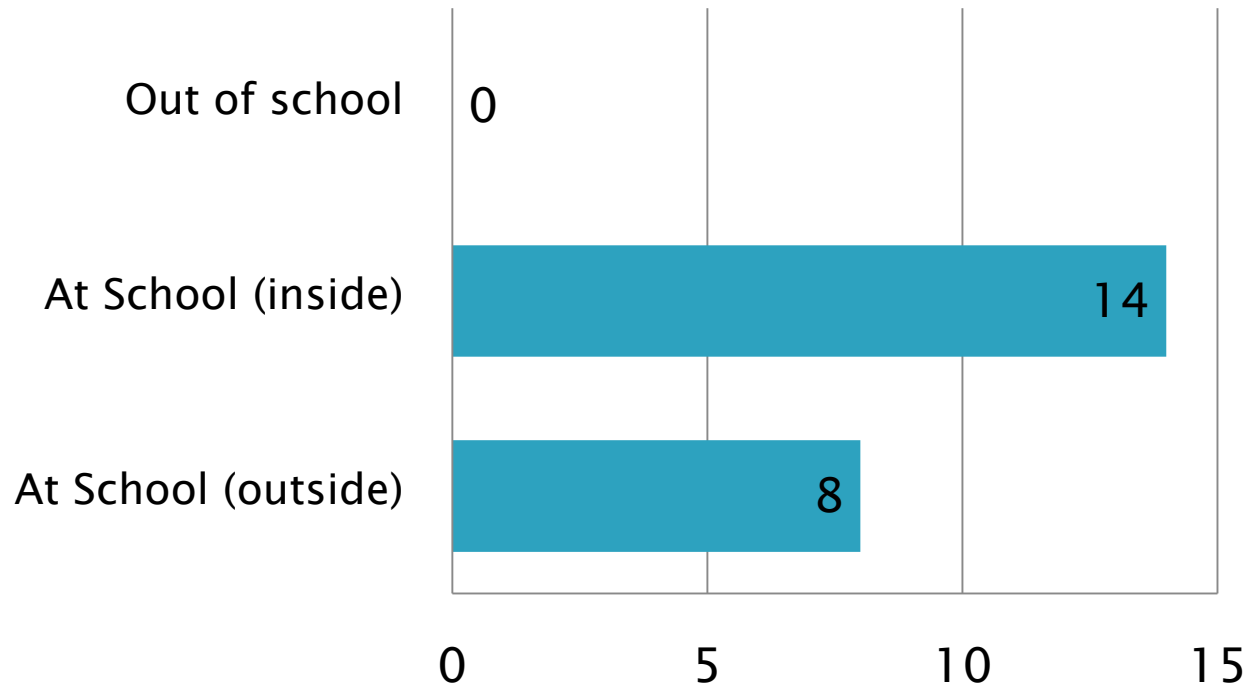
3.11 Earthquake Survey

1. Where were you at the time when the earthquake happened?



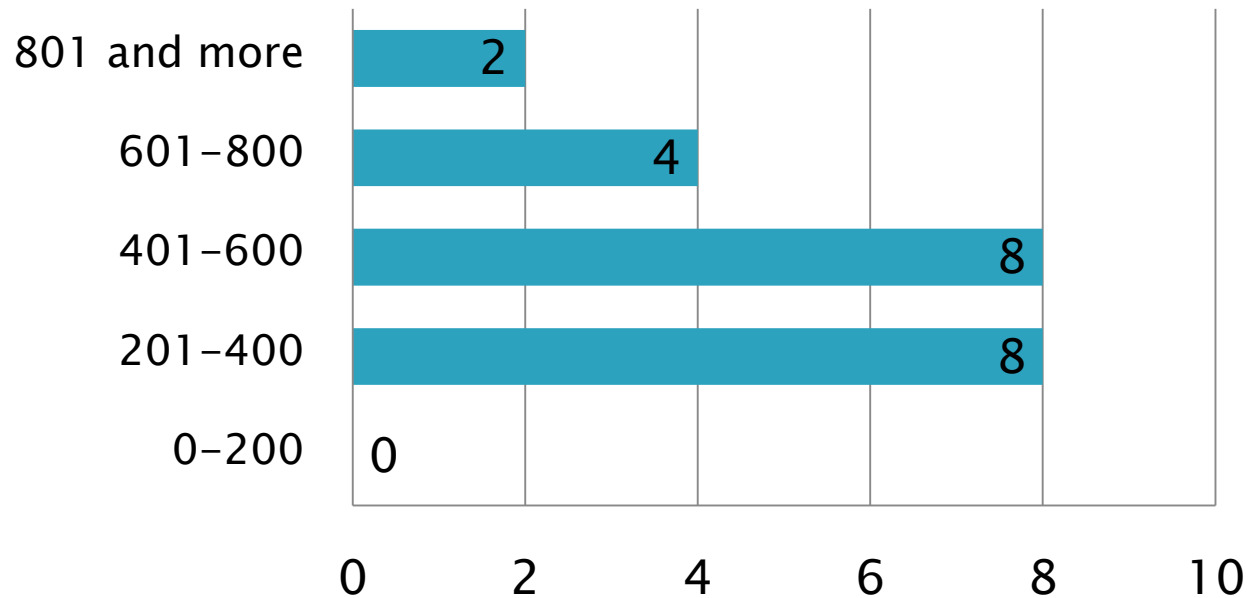
3.11 Earthquake Survey

2. Where were your students?



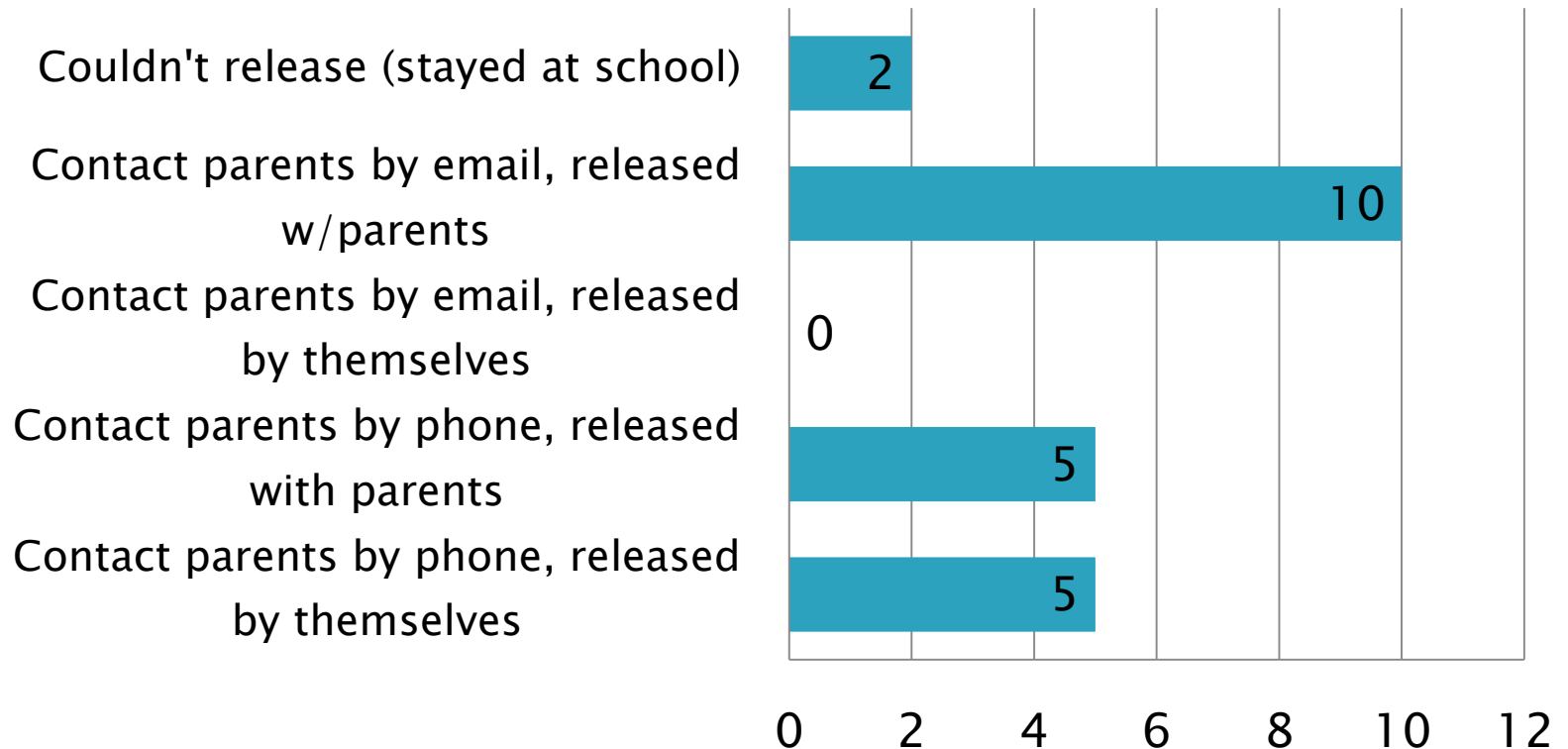
3.11 Earthquake Survey

3. How many students were at school?



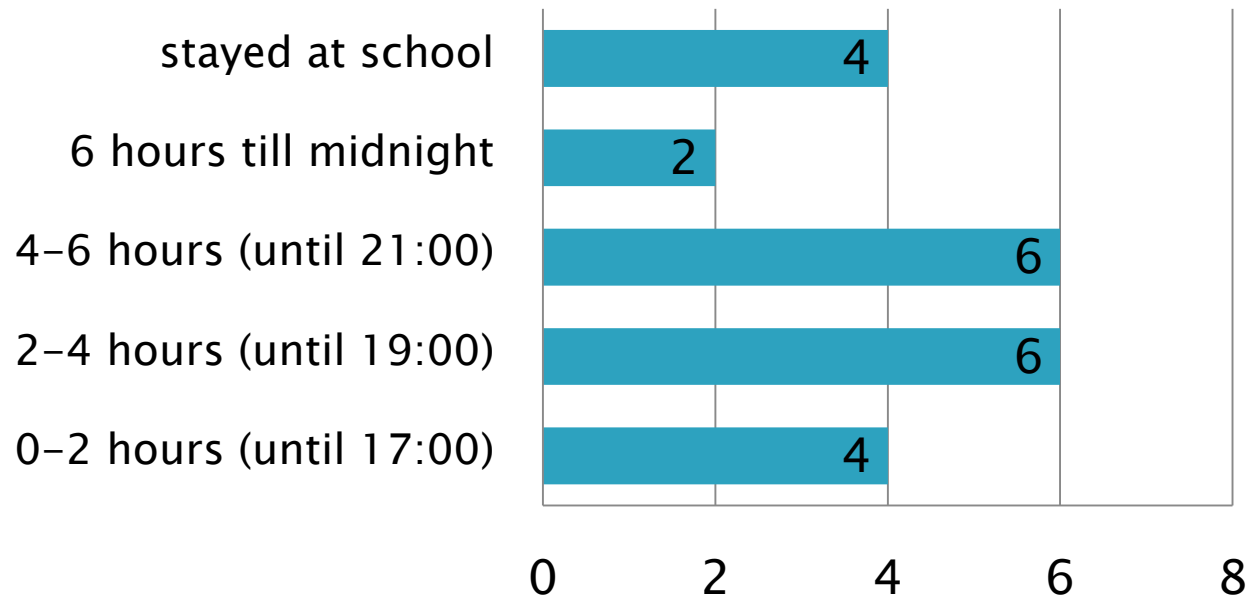
3.11 Earthquake Survey

4. How did your school release students?



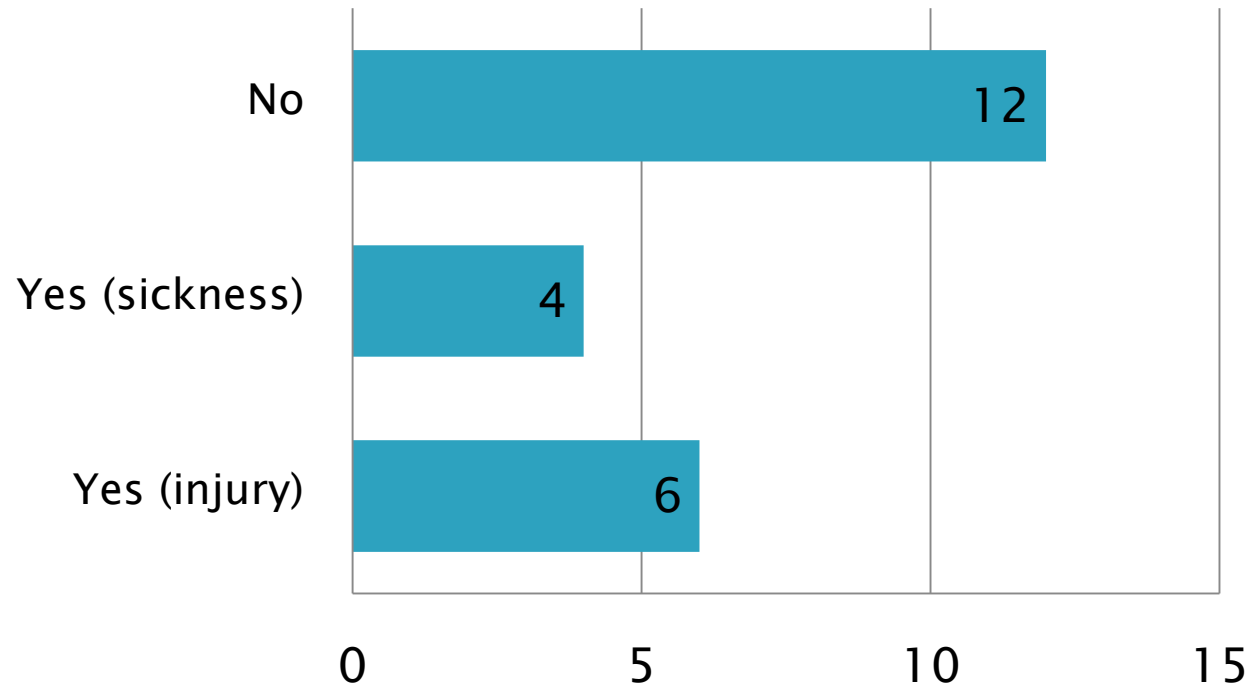
3.11 Earthquake Survey

5. How long did it take to release the last students?



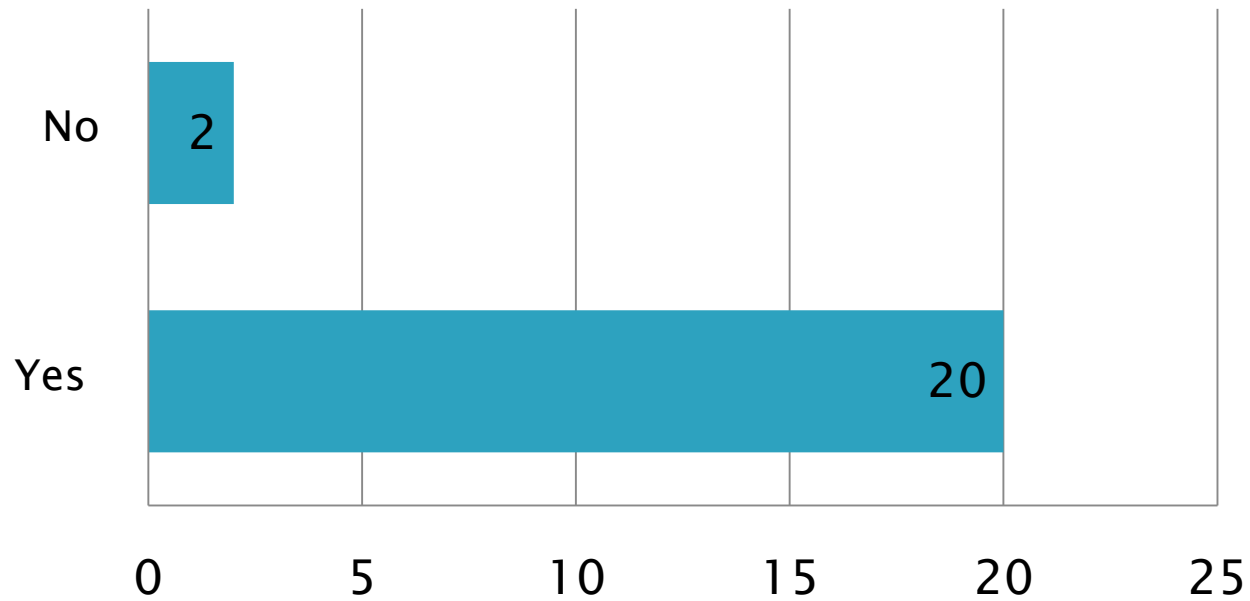
3.11 Earthquake Survey

6. Did any injury/sickness occur?



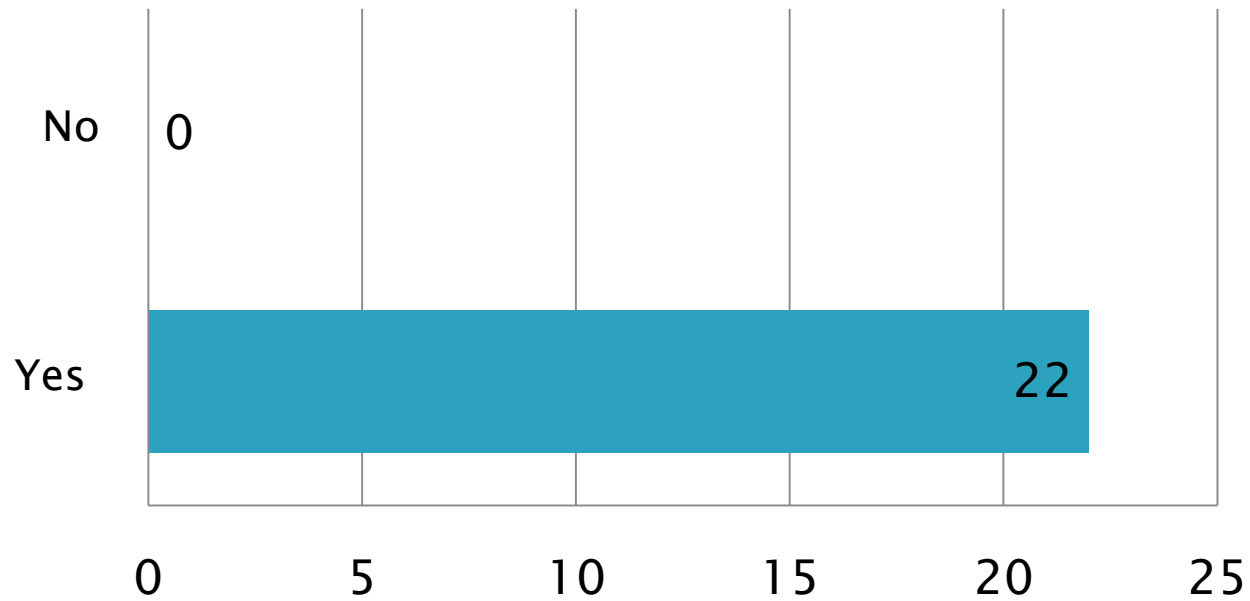
3.11 Earthquake Survey

7. Do you have any food/drink stock at school?



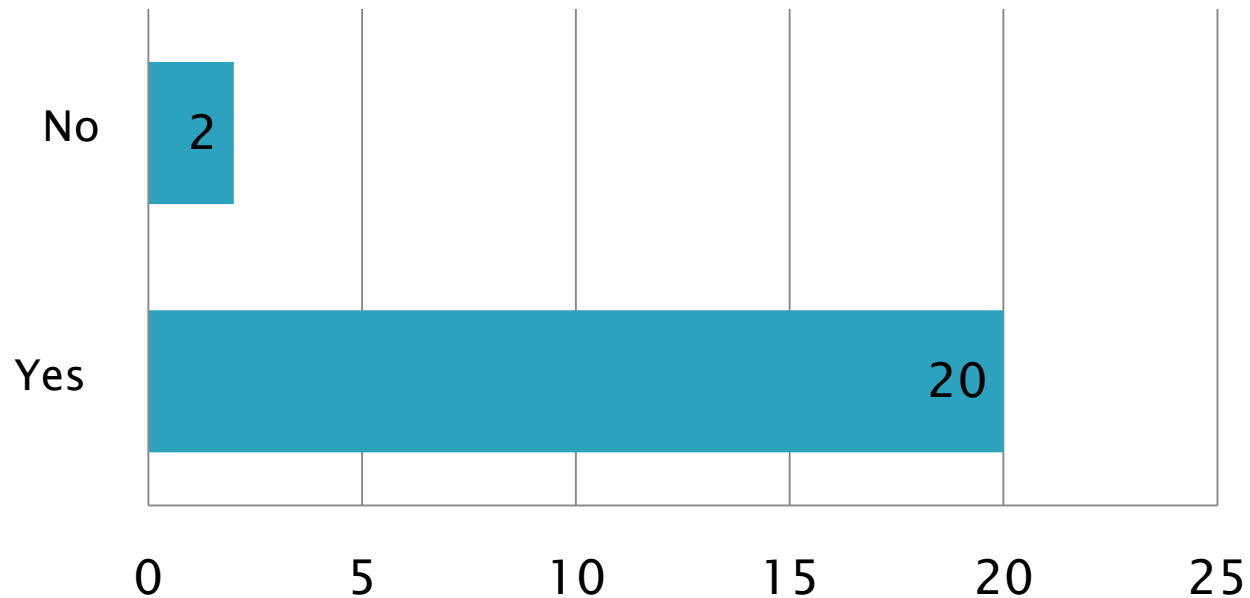
3.11 Earthquake Survey

8. Do you prepare for an emergency medical supplies?



3.11 Earthquake Survey

9. Does your school have the policy/procedure for emergency?



3.11 Earthquake Survey

10. How do you feel about the day – March 11?

- It went basically okay. I am very glad that there were not any injuries from falling objects. Most of our students were gone by 6:00pm. The last parents came at 9:00pm and a few students went to their friend's house to stay over night.
- Scary and devastating to know the outcome of the quake, everyone at school still not at ease!
- It was very scary that I can't forget for a long time. It made me think more about my life, family and friends.
- After 3.11 I feel that our school should really get going with getting together an emergency and crisis management team and procedures. I believe that being prepared will make a big difference in how we can keep our students/staff safe at a chaotic situation and under pressure. My heart goes out for the people affected. I hope we can all learn from what they've been through and better prepare for the next one.
- It would be good to know how the other schools prepare for an emergency, especially medical supplies, emergency drills, and the policy and procedure.

3.11 Earthquake Survey

11. Others– How students felt about the earthquake.

- I suddenly started feeling dizzy and sick, then I realized it was an earthquake. My heart was pumping so fast and I could hear it. My eyes were ready to start producing tears. I kept saying to myself, “Make it stop!!”. When it stopped, tears started running down my face because I was happy that it was over. (grade 5 girl)
- I used to think that there will only be small one, but now I know that big and scary things can happen to me, too. (grade 2 boy)
- Many people were panicking all around. People were trying to contact home, but they couldn’t. Then I realized when you think something isn’t so big, it actually really is. (grade 4 girl)
- First I thought that it was the shake because of the bump, but the shake got bigger and bigger, the pole were shaking like it would almost fall down. The kids at kindergarten were screaming, shouting, and crying. (grade 1 boy)

Research on earthquake


1. How long did it take to know about Tsunami information?
 - 16.6 minutes after earthquake (average in Japan)
 - 16.4 minutes after earthquake (at Tohoku area)
2. How to get the Tsunami information?
 - By T.V. (all over Japan)
 - By radio (at Tohoku area)
3. How did you act after Tsunami warning?
 - 33% couldn't evacuate at Tohoku area
4. What have you done until the shake stopped?
 - Didn't move (stay where they were)
5. How long did it take to communicate with family?
 - 3 hours 15 minutes (average in Japan)
 - 4 hours 9 minutes (at Tohoku area)
6. How many times an individual people send information to others during 24 hours after the earthquake?
 - 16.3 times (average in Japan)
 - 19.1 times (at Tohoku area)
7. What was the most difficult thing?
 - Traffic problem (train, subway had stopped)
 - Food/Drinks (at Tohoku area)
8. What is the most important things to prepare for the next one?
 - Foods/Drinks
 - Evacuation Goods

Preparedness for School

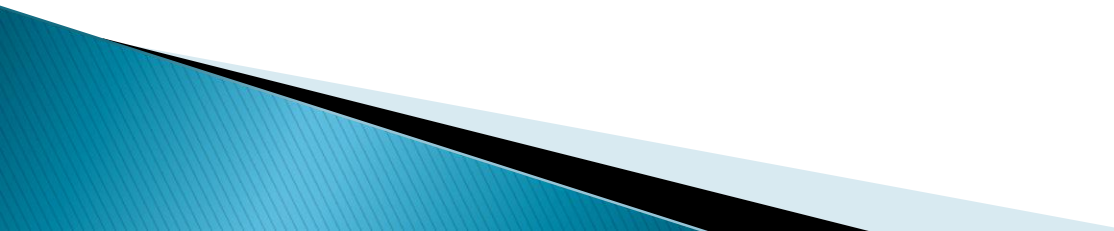
- ▶ Phases of Emergency Management



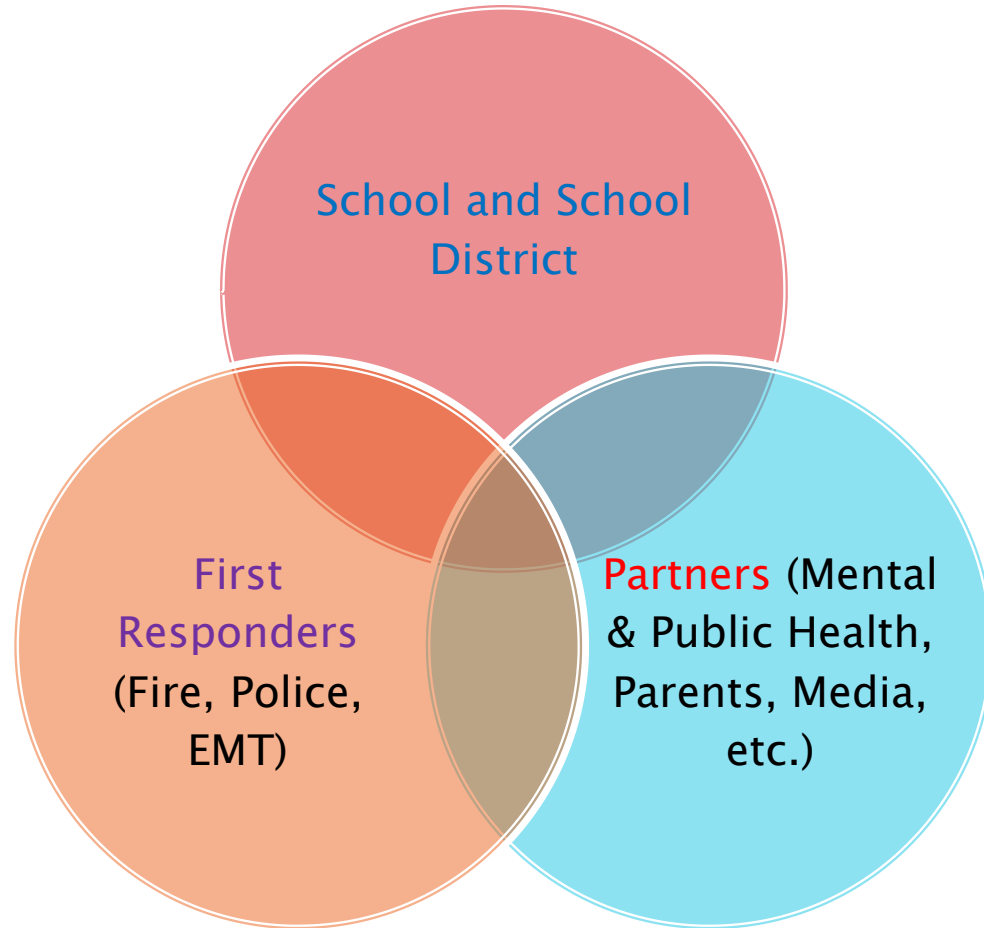
Preparedness: Key components

- Identifying needs and goals
 - Establishing crisis policies, procedures, and plans
 - Developing crisis response structure (Incident Command System)
 - Identifying roles and responsibilities, including lines of authority and emergency priorities
 - Coordinating communication
 - Training
 - Conducting exercises
- 

Training and Exercises

- ▶ Training and exercises, such as drills and tabletop exercises, are invaluable tools for preparing staff and testing crisis plans
 - ▶ Training and exercises should reinforce concepts in the school/school district crisis plan
 - ▶ Training should be conducted regularly
- 

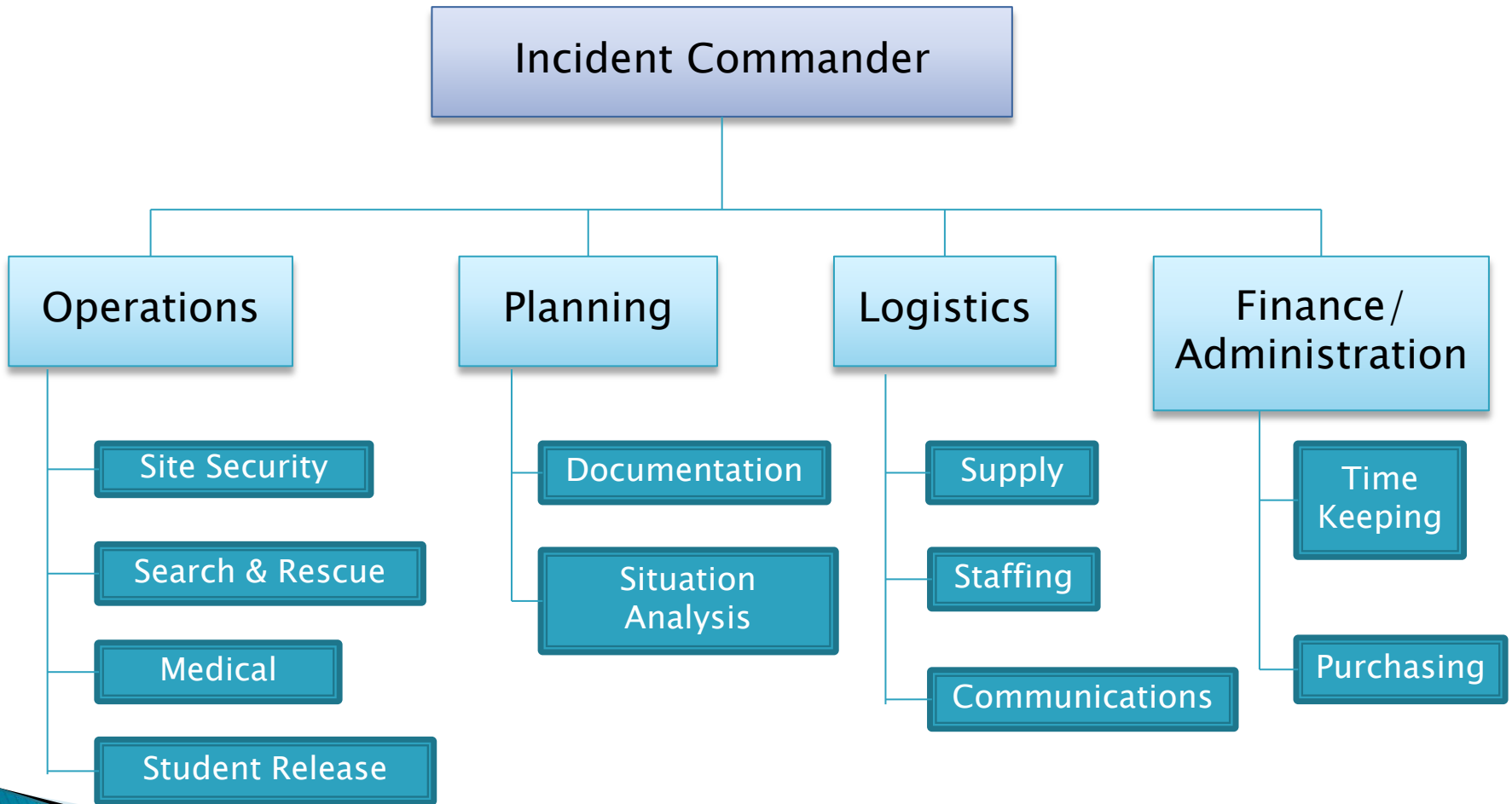
Incident Command System




Incident Command System

- ▶ Incident Command System (ICS) is a management system designed to enable effective and efficient domestic incident management by integrating a combination of facilities, equipment, personnel, procedure and communications operating within a common organizational structure.
- ▶ ICS is organized around five functional
 1. Command
 2. Operations
 3. Planning
 4. Logistics, and
 5. Finance/administration

School Incident Command System



Student Release System

- ▶ No student will be released from school early unless a parent/guardian or authorized adult comes for the child.
 - ▶ No student will be allowed to leave with another person, even a relative, unless the school has prior written permission from the parent/guardian or the individual is designated on the student's Emergency Card.
 - ▶ All parents or designated adults who come to pick up the students must show a photo ID.
 - ▶ Parents will not be able to pick up their children directly. They must sign out the student at the school office.
 - ▶ Adults and students should leave the campus as quickly as possible after being reunited.
- 

Student Release System at YIS

Teacher/staff report the number of students to school office



School office call/send an email to parents/guardians



Parents/guardian arrive and report at office with photo ID



Meet the child(ren) and sign out at school office



Release with parent/guardian to go home

Preparedness Kit – School Nurse

Water

- ▶ 1 Gallon of water per day for 3 days

Food

- ▶ 3-day supply of nonperishable food
- ▶ Foods should require no refrigeration, cooking, or preparation
- ▶ Items should be compact and light weighted
- ▶ Foods may include canned meats, fruits and vegetables, soups, juices, and high-energy foods such as trail mix, and granola bars

Special Items

- ▶ A 3-day supply of medications
- ▶ Contact lenses and supplies
- ▶ Extra glasses

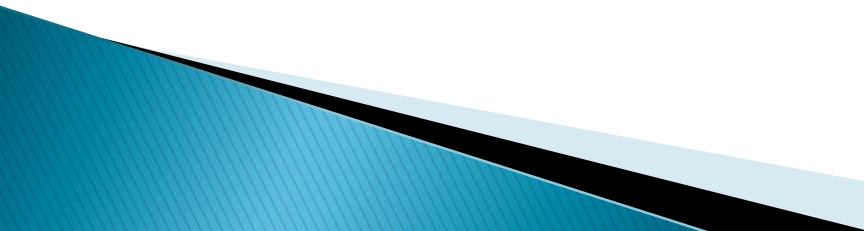
Tools and Supplies

Sanitation

Clothing and Bedding

Preparedness Kit – Emergency bag

General Bag: Items to include additional supplies needed

- ▶ Copy of students' emergency phone numbers
 - ▶ Copy of students' allergy and medical condition lists
 - ▶ Class lists
 - ▶ Copy of crisis plan
 - ▶ Walkie-talkie
 - ▶ Whistle
 - ▶ Paper and Pen
 - ▶ Basic first aid supplies
 - ▶ Medicines (glucose tablets, asthma inhaler, etc.)
 - ▶ One-way resuscitation facemask
 - ▶ Stethoscope
- 

Individual Emergency Kits at YIS

- ▶ Each classroom, Gym, Library, IT office, Main office has a hard helmet to wear during an earthquake.
- ▶ All students has their own individual emergency kits (renew every school year)
 - Emergency contact card (parent's information, student's medical condition, etc.)
 - Water/Juice, Snacks
 - Pencil, paper, books to read, game/toys
 - Torch, Spare batteries
 - Whistle
 - Antiseptic, Band-Aids

Storage at the Evacuation Shelter

City of Yokohama Evacuation Shelter

▶ Relief materials

Hand cart x 2, Blanket x 20, Ground sheet x 10, Warm sheet x 50, Crutches x 5, Special plastic bags for toilet x 600, Western style portable toilet x 2, Water tank for distributing water 1000 liter, Water filtration machine x 1

▶ Daily necessities

Diapers for elderly x 210, Diapers for babies x 1350, Sanitary items x 425, Toilet paper x 192, Rice cooker x 1(for 500 people), Gas cooker x 1

▶ Food/Drinks

Biscuit x 3000, Milk powder and feeding bottle x 40, Rice porridge x 200, Canned water x 3000

What you should prepare??

1. Valuables

1. Cash (small coins for public phone)
2. Bank book, cash card, credit card
3. Driving license/Health insurance card
4. Telephone number memo

2. Evacuation goods

1. Flashlight
2. Mobile radio
3. Spare batteries
4. Helmet

3. Living goods

1. Gloves
2. Blankets
3. Tin opener
4. Lighter/matches
5. Knife
6. Portable toilet
7. Pocket warmer

4. First aid items

1. First aid box
2. Copies of prescriptions
3. Gastrointestinal drugs, laxatives, medicine for chronic diseases
4. Feminine protection products

5. Emergency food/drinks

1. Dried bread
2. Canned food
3. Nutritional supplements
4. Candies/Chocolate
5. Drinking water

6. Clothes

1. Underwear/socks
2. Long-sleeved shirt, long trousers
3. Thermal jacket
4. Rain goods
5. Comfortable walking shoes

YIS Volunteer at Tohoku



2011 GREAT EAST JAPAN EARTHQUAKE & TSUNAMI PEACE BOAT EMERGENCY RELIEF OPERATION



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NEWS

Short-term volunteer positions now open

May 18, 2011

Until now, Peace Boat has only been organising volunteers to assist relief efforts for one week (8 nights / 9 days total), however we are happy to announce that we are now able to offer a plan for short-term volunteers also.

RECENT REPORTS


Muriya Fruit Shop Update

June 4, 2011

"This persimmon tree protects our family"

June 1, 2011

The Great East Japan Earthquake



Thank you for listening.
ご清聴ありがとうございます